

What is claimed is:

1. A belt for a heat fuser comprising polyimide resin body having incorporated within said body particulate, surface-oxidized boron nitride.
2. The belt as in claim 1 in which said boron nitride is surface oxidized at about
5 850 degrees C.
3. The belt as in claim 2 in which said boron nitride is surface oxidized for about 8 hours.
4. The belt as in claim 1 in which said polyimide comprises a reaction product of a 3,3',4,4' biphenyltetracarboxylic dianhydride and *p*-phenylenediamine.
- 10 5. The belt as in claim 2 in which said polyimide comprises a reaction product of a 3,3',4,4' biphenyltetracarboxylic dianhydride and *p*-phenylenediamine.
6. The belt as in claim 3 in which said polyimide comprises a reaction product of a 3,3',4,4' biphenyltetracarboxylic dianhydride and *p*-phenylenediamine.
7. The belt as in claim 1 in which said boron nitride comprises hexagonal particles
15 of average particle size of about 0.3 to 0.7 μm .
8. The belt as in claim 2 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .
9. The belt as in claim 3 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .
- 20 10. The belt as in claim 4 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .
11. The belt as in claim 5 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .
12. The belt as in claim 6 in which said boron nitride comprises hexagonal particles
25 of average particle size of about 0.3 to 0.7 μm .

13. A toner fixing system comprising
- a heating element to generate heat for fusing electrophotographic toner.
- a belt with a surface in contact with said heating element movable in contact with said heating element;
- 5 a back up member in nip position with said belt where said belt contact said heating element; and
- a media feed path to feed media carrying unfixed toner images through said nip;
- wherein said belt comprises a polyimide resin body having incorporated within said body particulate, surface-oxidized boron nitride.
14. The belt as in claim 13 in which said boron nitride is surface oxidized at about 850 degrees C.
15. The belt as in claim 14 in which said boron nitride is surface oxidized for about 8 hours.
16. The belt as in claim 13 in which said polyimide comprises a reaction product of a 3,3',4,4' biphenyltetracarboxylic dianhydride and *p*-phenylenediamine.
17. The belt as in claim 14 in which said polyimide comprises a reaction product of a 3,3',4,4' biphenyltetracarboxylic dianhydride and *p*-phenylenediamine.
18. The belt as in claim 15 in which said polyimide comprises a reaction product of a 3,3',4,4' biphenyltetracarboxylic dianhydride and *p*-phenylenediamine.
19. The belt as in claim 13 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .
20. The belt as in claim 14 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .
21. The belt as in claim 15 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .

22. The belt as in claim 16 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .

23. The belt as in claim 17 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .

24. The belt as in claim 18 in which said boron nitride comprises hexagonal particles of average particle size of about 0.3 to 0.7 μm .